PATENT COOPERATION TREATY

TERNATIONAL SEARCHING O:			PCT
see form PCT/ISA/220		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43 <i>bis</i> .1)	
		Date of mailing (day/month/year)	see form PCT/ISA/210 (second sheet)
Applicant's or agent's file reference see form PCT/ISA/220	3	FOR FURTHER ACTION See paragraph 2 below	
nternational application No. PCT/GB2005/050067	International filing date 13.05.2005	(day/month/year)	Priority date (day/month/year) 15.06.2004
nternational Patent Classification	(IPC) or both national classification	on and IPC	
Applicant NANOBEAM LIMITED			
☐ Box No. IV Lack of Box No. V Reason applic ☐ Box No. VI Certa	establishment of opinion with roof unity of invention oned statement under Rule 43 cability; citations and explanation documents cited	3 <i>bis</i> .1(a)(i) with regardions supporting such	entive step and industrial applicability d to novelty, inventive step or industrial statement
	in defects in the international in observations on the interna		
2. FURTHER ACTION If a demand for internal written opinion of the Ir the applicant chooses international Bureau ur will not be so considered.	tional preliminary examination nternational Preliminary Exam an Authority other than this or nder Rule 66.1 <i>bis</i> (b) that writted.	n is made, this opinion lining Authority ("IPEA ne to be the IPEA and en opinions of this Int	will usually be considered to be a "). However, this does not apply where the chosen IPEA has notifed the ernational Searching Authority the IPEA, the applicant is invited to
submit to the IPEA a w months from the date of whichever expires late	ortten reply together, where a of mailing of Form PCT/ISA/22	ppropriate, with amen 20 or before the expire	idments, before the expiration of three ation of 22 months from the priority date,
For further options, see	e Form PCT/ISA/220. e notes to Form PCT/ISA/220.		
J. , J. M. M. G. M.		. •	
		Authorized Office	



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JC05 Rec'd PCT/PTO 19 SEP 2005

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/GB2005/050067

10/550077

-	Box No. I Basis of the opinion				
١.	With regard to the language , this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.				
	This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).				
2	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:				
	a. type of material:				
	□ a sequence listing				
	☐ table(s) related to the sequence listing				
	b. format of material:				
	☐ in written format				
	☐ in computer readable form				
	c. time of filing/furnishing:				
	☐ contained in the international application as filed.				
	☐ filed together with the international application in computer readable form.				
	☐ furnished subsequently to this Authority for the purposes of search.				
	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereth has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.				
	4 Additional comments:				

International application No. PCT/GB2005/050067

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

1-43

No:

Claims

Inventive step (IS)

Yes: Claims

No: Claims

1-43

Industrial applicability (IA)

Yes: Claims

1-43

No: Claims

2. Citations and explanations

see separate sheet

Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet

Re Item V.

1 Reference is made to the following documents:

D1: EP 0 840 355 A (NISSIN ELECTRIC CO., LTD) 6 May 1998 (1998-05-06)

D2: PATENT ABSTRACTS OF JAPAN vol. 007, no. 123 (E-178), 27 May 1983 (1983-05-27) -& JP 58 040759 A (TOKYO SHIBAURA DENKI KK), 9 March 1983 (1983-03-09)

2 INDEPENDENT CLAIM 1

Document D1, which is considered to represent the most relevant state of the art, discloses (the references in parentheses applying to this document, see fig.1):

A charged particle beam system including a main chamber (30), an exchange chamber (62) and a substrate handling device (32,40) mounted inside the main chamber (30) for loading and unloading a substrate (2) into and out of the main chamber (30), the device comprising a bar (40) and a side member (32) extending laterally (see fig.2,3) from the bar (40) for supporting the substrate (2) to one side of the bar (40) and means (46) configured such that the side member (32) is movable into and out of the exchange chamber (62)

The subject-matter of claim 1 differs in that : means are provided for translating the bar along its longitudinal axis.

The problem to be solved by the present invention may therefore be regarded as : rendering possible the movement of the side member into and out of the exchange chamber.

It is however generally known to the person skilled in the art that a side member translatable along a bar (as described in D1) is an equivalent to a side member fixed on a bar that is translatable along its longitudinal axis (see in that respect D2, fig.1-4) and can be interchanged with that feature where circumstances make it desirable.

Therefore, the solution proposed in claim 1 of the present application cannot be considered as involving an inventive step (Article 33(3) PCT).

3 INDEPENDENT CLAIMS 38,39,40,43

The same reasoning as for independent claim 1 applies for independent claims 38,39,40,43 and therefore, the solution proposed in those claims of the present application cannot be considered as involving an inventive step (Article 33(3) PCT).

4 DEPENDENT CLAIMS 1-37,41,42

Dependent claims 1-37,41,42 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of inventive step (Article 33(3) PCT).

These claims refer to mechanical details very well known to the person skilled in the art. It is a normal procedure to include these features in the device described in the independent claims in order to render its construction possible.

Re Item VIII.

Although claims 1,38,39,40 and 43 have been drafted as separate independent claims, they appear to relate effectively to the same subject-matter and to differ from each other only with regard to the definition of the subject-matter for which protection is sought and in respect of the terminology used for the features of that subject-matter. Hence, claims 1,38,39,40 and 43 do not meet the requirements of Article 6 PCT (conciseness).